

*a³
cont.*

69. The method of claim 60, wherein B7-2 comprises the amino acid sequence shown in SEQ ID NO:2.

70. The method of claim 60, wherein the nucleic acid encoding a B7-2 molecule comprises the nucleic sequence shown in SEQ ID NO:1.

71. The method of claim 62, wherein B7-2 comprises the amino acid sequence shown in SEQ ID NO:2.

Sub B² 72. The method of claim 62, wherein the nucleic acid encoding B7-2 comprises the nucleic sequence shown in SEQ ID NO:1.

73. A method of modifying a tumor cell to express a B7-2 molecule comprising, transfected a tumor cell with a nucleic acid molecule encoding a B7-2 molecule such that B7-2 is expressed by the tumor cell.

74. The method of claim 73 wherein tumor cell is modified by transfection with a nucleic acid molecule comprising the nucleotide sequence shown in SEQ ID NO:1.

75. The method of claim 73, wherein the tumor cell is modified *in vitro* or *ex vivo*.

76. The method of claim 73, wherein the tumor cell is modified *in vivo*.

77. The method of claim 73, wherein the tumor cell is further transfected with at least one nucleic acid molecule encoding a B7 protein.

Sub B³ 78. The method of claim 73 wherein the tumor cells are further transfected with at least one nucleic acid molecule encoding at least one MHC class II α chain protein and at least one MHC class II β chain protein in a form suitable for expression of the MHC class II α chain protein(s) and the MHC class II β chain protein(s).

79. The method of claim 73 wherein the tumor cells are further transfected with at least one nucleic acid molecule encoding at least one MHC class I α chain protein in a form suitable for expression of the MHC class I protein(s).

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*Q3
cont.*

80. The method of claim 73 wherein the tumor cells are further transfected with a nucleic acid molecule encoding a β -2 microglobulin protein in a form suitable for expression of the β -2 microglobulin protein.

81. The method of claim 73 wherein expression of an MHC class II associated protein, the invariant chain, is inhibited in the tumor cells.

Sub B4

82. The method of claim 81 wherein expression of the invariant chain is inhibited in the tumor cells by transfection of the tumor cell with a nucleic acid which is antisense to a regulatory or a coding region of the invariant chain gene.

83. The method of claim 73 wherein the tumor is a sarcoma.

84. The method of claim 73 wherein the tumor is a lymphoma.

85. The method of claim 73 wherein the tumor is selected from a group consisting of a melanoma, a neuroblastoma, a leukemia and a carcinoma.

86. The method of claim 73, wherein the B7-2 molecule comprises the amino acid sequence shown in SEQ ID NO:2.

Sub B5

87. A method of increasing the immunogenicity of a tumor cell comprising, modifying the tumor cell to express a B7-2 T cell costimulatory molecule such that the immunogenicity of the tumor cell is increased. --

REMARKS

Claims 1-64 were present in parent application 08/456,104 as filed. Claims 1-41, 44 and 45 have been canceled. Claims 65-87 have been added. Accordingly, claims 42, 43, and 46-87 are currently pending in the application. For the Examiner's convenience, a copy of the claims as currently pending is provided in Appendix A.

Support for the above claim amendments can be found through out the specification and claims as originally filed. Support for the inclusion SEQ ID NO:s 1 and

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